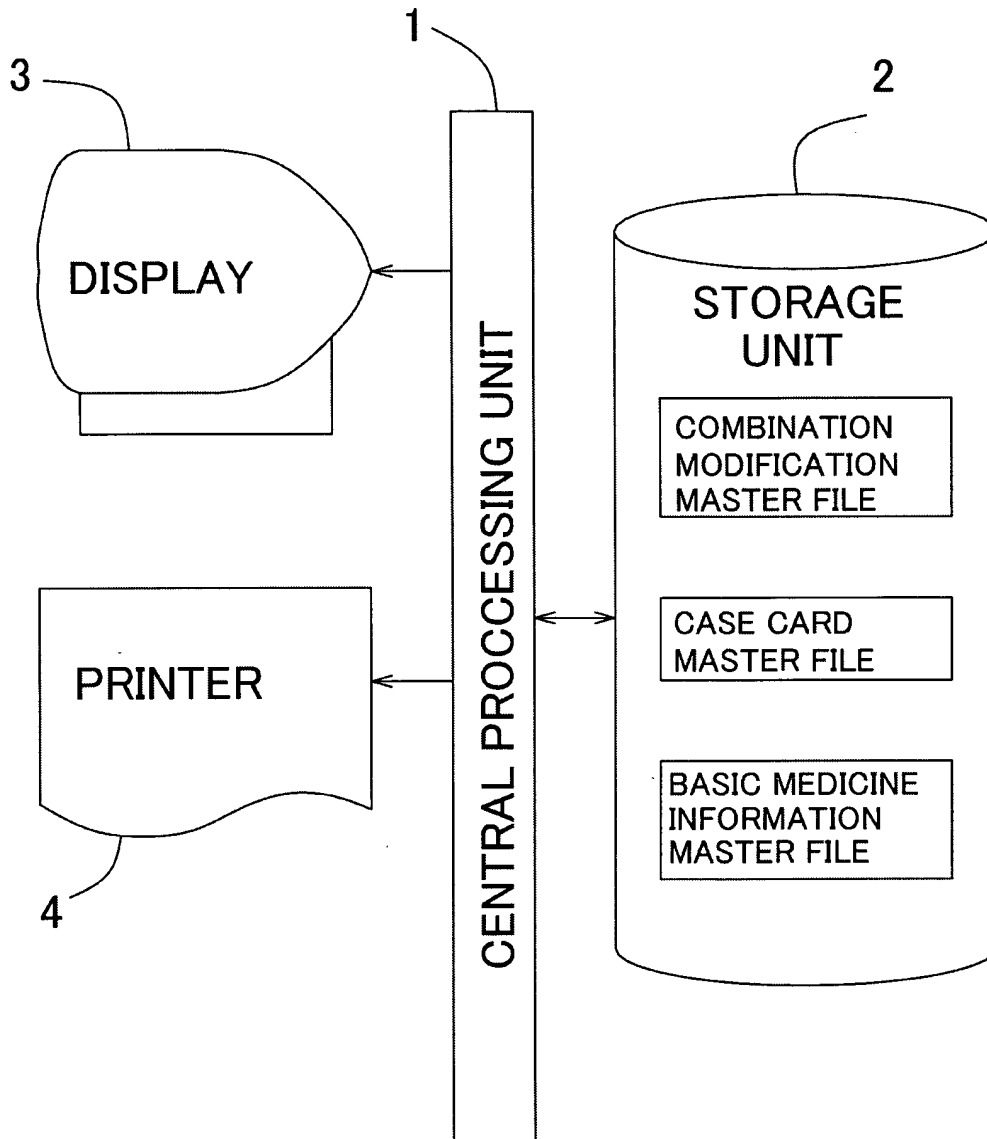


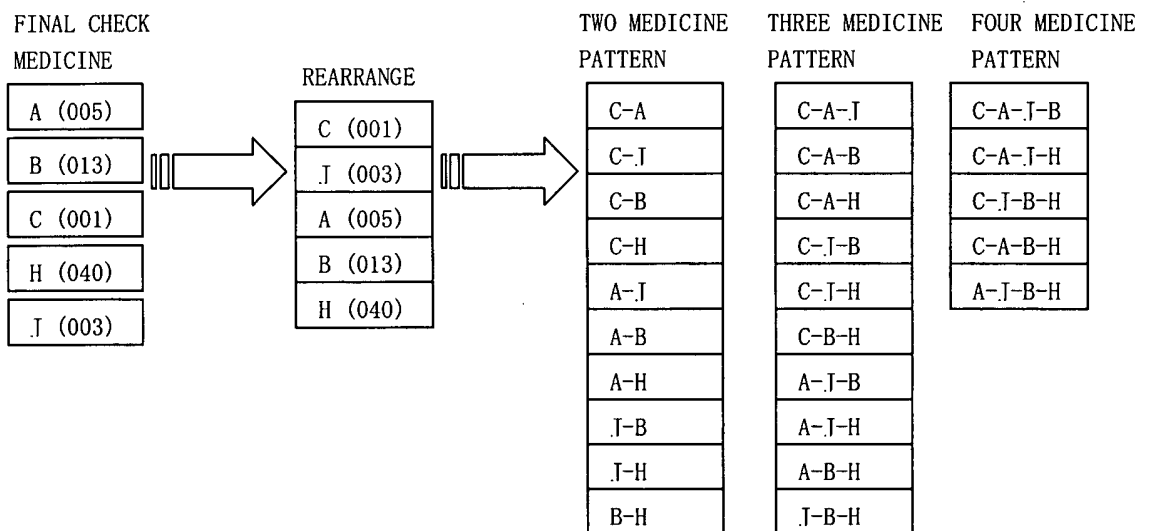
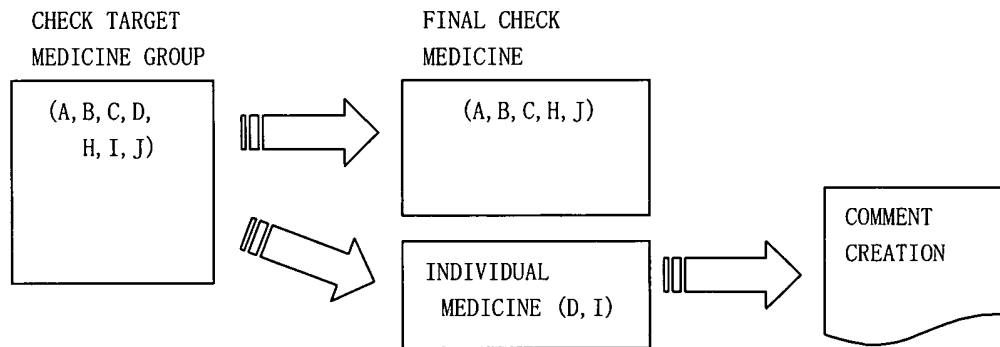
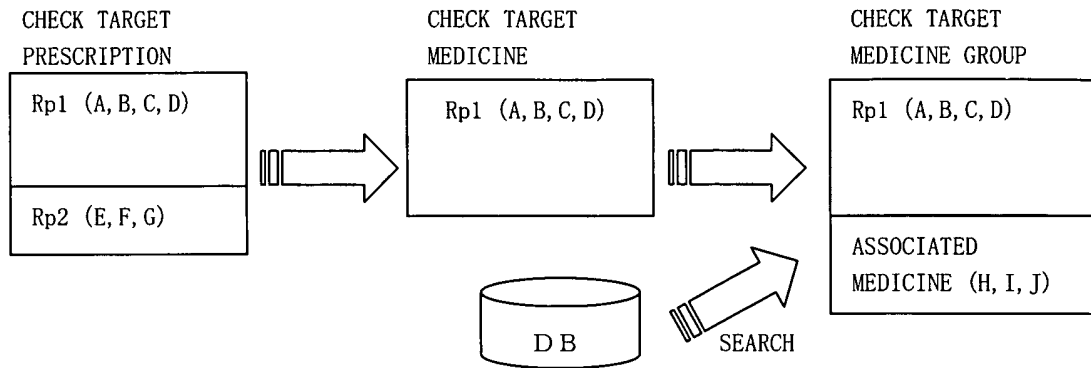


Fig. 1



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Fig. 2



**Fig. 3A**

Injection Audit List									
Prescription No.	Order No.	Prescription Category	Ward	Administration Date	Patient ID	Patient Name	Target Prescription Category		
1 0000000729	01771452	extra injection	West Ward 6	2003/04/09			regular injection		
2 0000000735	01724336	regular injection	12th floor	2003/04/09			extra injection		
3 0000000736	01761588	regular injection	West Ward 9	2003/04/09			urgent injection		
4 0000000739	01775128	extra injection	ICU	2003/04/09			narcotic injection		
5 0000000740	01771929	extra injection	East Ward 10	2003/04/09			investigational medicine injection		
6 0000000741	01771926	extra injection	East Ward 10	2003/04/09			blood preparations		
7 0000000748	01749895	regular injection	West Ward 9	2003/04/09			injected		
8 0000000749	01749895	IVH injection	West Ward 9	2003/04/09			IVH injection		
9 0000000752	01772285	extra injection	8-1	2003/04/09			intramural injection		
10 0000000762	01770977	extra injection	10-7	2003/04/09			narcotic injection		
11 0000000775	01780625	urgent injection	10-9	2003/04/09			investigational medicine injection		
12 0000000779	01777909	intramural injection	Department of Internal Medicine	2003/04/09			blood preparations		
13 0000000781	01765215	regular injection	10-8	2003/04/09			injected		
14 0000000795	01769942	extra injection	10-9	2003/04/09			IVH injection		
15 0000000800	01760924	regular injection	10-9	2003/04/09			intramural injection		
16 0000000801	01760924	IVH injection	10-9	2003/04/09			narcotic injection		
17 0000000803	01768004	regular injection	10-9	2003/04/09			investigational medicine injection		
18 0000000804	01768004	IVH injection	10-9	2003/04/09			blood preparations		
19 0000000807	01770303	extra injection	10-9	2003/04/09			injected		
20 0000000809	01770102	extra injection	10-7	2003/04/09			IVH injection		
21 0000000811	01767586	regular injection	West Ward 7	2003/04/09			intramural injection		
22 0000000816	01725026	regular injection	12th floor	2003/04/09			narcotic injection		
23 0000000817	01725026	IVH injection	12th floor	2003/04/09			investigational medicine injection		
24 0000000828	01768272	regular injection	West Ward 9	2003/04/09			blood preparations		
25 0000000835	01774129	extra injection	10-6	2003/04/09			injected		

Fig. 3B

Prescription Input

Input/Audit Mode: payout processing version

Patient ID

Age

Sex

Ward Name

Room

86.1

Male

28

10-4

1401

Prescription

start date

extra injection

Department

TA

Department of Internal Medicine

Doctor

2003/04/09

There is an error

inputted quantities

Combination Modification Information

Combination Modification Error

Combination Modification Information

Combination Modification Error

Rp	Code	Medicine Name	Dosage	Unit	04/09(Wed)	04/10(Thu)	04/11(Fri)	04/12(Sat)	04/13(Sun)	04/14(Mon)	04/15(Tue)	Unit
1-12	31256	drip injection	1,000 B		1,000							B
	@IC2206	Physio 35 (500mL plastic bottle)										
	@IC3999	Return to the storage										
	/710011	..... morning			1							
2-12	31256	drip injection	1,000 B		1,000							B
	@IC2206	Physio 35 (500mL plastic bottle)										
	30353	Vitamedin intravenous	1,000 V		1,000							V
	30009	Aspara K (1712mg/10mLA)	1,000 A		1,000							A
	30938	Nicholin H (1g/4mLA)	1,000 A		1,000							A
	30913	Concylte-P (0.5M)(1.74g/20mLA)	1,000 A		1,000							A
	@IC3999	No1										
	@IC2206	in 6 hours										
	/710021	..... day			1							
3-12	31256	drip injection	1,000 B		1,000							B
	@IC2206	Physio 35 (500mL plastic bottle)										
	30096	Calcicol (425mg/5mL polyampul)	1,000 A		1,000							A
	30234	Tagamet injection 200mg (200mg/2mLA)	1,000 A		1,000							A
	@IC2206	in 6 hours										
	@IC3999	No2										
	/710021	..... day			1							
4-12	31256	drip injection	1,000 B		1,000							B
	@IC2206	Physio 35 (500mL plastic bottle)										
	30009	Aspara K (1712mg/10mLA)	1,000 A		1,000							A
	30234	Tagamet injection 200mg (200mg/2mLA)	1,000 A		1,000							A

Input a code.

OP:superuser

F1

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

F12

issuance

search

payout

amount

line

insertion

deletion

deletion

attribute

copy

HELP

after

execution

combination

check



Fig. 3D

Combination Modification Result List				
Grp	Medicine Name	Contents of combination modification change	Plural	E
1	Aspara K (1712mg/10mLA) Minomycin (100mg/V)	[x] . . . Color becomes darker.	Yes	

In this software database a combination modification of the type that cannot be checked may occur.

☒ ☒ ☒ ☒

F-1 F-2 F-3 F-4 F-5 F-6 F-7 F-8 F-10 F-11 F-12

details all Rp selected Rp all date print previous page next page

"details" button "individual date" button "all date" button "previous page" button "next page" button

Fig. 4

“pH Change information” button      “Component information” button      “Individual medicine information” button

**Detailed Combination Modification Result**

GrpNo. = 1      pH Change Information      Component Information      Individual Medicine Information

Medicine Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Acid-side Change	Basic-side Change
Physio 35 (500mL plastic bottle)																
Physio 35 (500mL plastic bottle)																
Vitamedin																
Aspara K (1712mg/10mLA)																
Nicholin H (1g/4mLA)																
Concylte-P (0.5M)																
Physio 35 (500mL plastic bottle)																
Calcicol																
Tagamet injection 200mg																
Physio 35 (500mL plastic bottle)																
Aspara K (1712mg/10mLA)																
Tagamet injection 200mg																
Concylte-P (0.5M)																

☐ pH region in which mixing is feasible     
 ☐ combination medicine group     
 ☐ titration reduction     
 ☐ clouded/opacified     
 ☐ partial data is available     
 ☐ sample ID#

Remark : “Physio 35 (500mL plastic bottle)” “Physio 35 (500mL plastic bottle)” “Nicholin H (1g/4mLA)” “Physio 35 (500mL plastic bottle)” “Calcicol”

Combination Modification Information

Combination medicine group      “Aspara K (1712mg/10mLA)” “Minomycin (100mg/V)”

Item	Contents
Search date source	
First medicine name, dosage	• Aspara K (1712mg/10mLA)
Second medicine name, dosage	• Minomycin (100mg/V)
Third medicine name, dosage	
Fourth medicine name, dosage	
Combination modification comment	[X] • • • Color becomes darker
Remark	Minomycin is dissolved in distilled water for injection (5ml) and then mixed with 5% dextrose in water (20ml)
Combination modified	unknown
Combination order	no need of consideration
Order of medicines to be combined	
Time required for change after combination	0.0 hour
Registration type	undefined
Time-series comment 1	immediately after the combination/appearance yellow color becomes slightly darker      pH :      residual ratio :

Display option (combination modification result)  
☐ • • • no change     
 ☒ • • • immediately used     
 ☒ • • • changed right after the combination  
 Display option (each data base)  
☒ combination modification DB  
☒ case card DB

“pH Change information” button      “Component information” button      “Individual medicine information” button

“Case card” button      “print” button      “medicine name column”

F-1    F-2    F-3    F-4    F-5    F-6    F-7    F-8    F-9    F-10    F-11    F-12

case card    pH    component information    medicine information    close    print

Fig. 5

pH Change Information		Component Information		Individual Medicine Information					
Medicine Name	Inputted Dosage	Total Quantities(m)	Calorie(kcal)	Sodium	Potassium	Magnesium	Calcium	Ammonium	Chlorine
Amizet B (400ml plastic bottle)	1.000 B	400.00	0.00						
Aspara K (1712mg/10mLA)	3.000 A	30.00	0.00						
Dormicum Injection (10mg/2mLA)	1.500 A	3.00	0.00						
Adona (100mg/20mLA)	2.000 A	40.00	0.00						
Soldacton 200mg (200mg/A)	1.000 A	0.00	0.00						
Transamin S (1g/10mLA)	1.000 A	10.00	0.00						
<b>total</b>		<b>483.00</b>	<b>0.00</b>						

user registration

Select display item

☒ electrolyte
 ☐ sugar
 ☐ amino acid
 ☐ fat
 ☐ vitamine
 ☐ trace of elements
 ☐ user setting

“select display item” column

“user registration” button



pH Change Information		Component Information		Individual Medicine Information	
Medicine Name	Storage method	Calorie	Administration dosage	Administration period	<input checked="" type="checkbox"/> Osmotic pressure ratio (lower limit) <input checked="" type="checkbox"/> Osmotic pressure ratio (upper limit)
Amizet B (400mL plastic bottle)	<input checked="" type="checkbox"/> avoid direct sunlight	0.00 kcal	<input checked="" type="checkbox"/> peripheral intravenous administration	3.00	0.00
Aspara K (1712mg/10mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal	L-asparagine	1.00	0.00
Dormicum Injection (10mg/2mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal	preanesthetic administration	0.60	0.90
Adona (100mg/20mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal	carbazo-chromes	2.00	0.00
Soldacton 200mg (200mg/A)	<input type="checkbox"/> room-temperature storage	0.00 kcal		0.00	0.00
Transamin S (1g/10mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal		2.00	0.00

For adults, usually, as sodium carbazochrome sulfonate, 25-100 mg per day is intravenously injected or dripped. Incidentally, the dosage is appropriately increased or decreased depending on the age and symptom.

Adona (AC-17): 100mg (20mL): one tube; when an ampul is cut open, the present product employs an one-point-cut ampul and therefore, after cleanly wiping a cut portion with ethanol cotton and the like, break it off in the opposite direction of a mark of an ampul branch portion without using a file.

☐ page4
 ☒ page5
 ☐ page6
 ☐ user setting

“user registration”  
button

Fig. 7

"combined medicine confirmation" tab

first medicine column      second medicine column      displayed medicine list, the first medicine

**Case Card Registration**

Select medicines to be combined

Medicines to be combined

The first medicine (one case)

Medicine Code	Medicine Name
30004	Akineton (5mg/1mLA)

The second medicine (3 cases)

Medicine Code	Medicine Name
30735	Aqupla 100mg (100mg/V)
30733	Aqupla 10mg (10mg/V)
30734	Aqupla 50mg (50mg/V)

The third medicine (0)

Medicine Code	Medicine Name
---------------	---------------

The fourth medicine (0)

Medicine Code	Medicine Name
---------------	---------------

Case card registration form for combination modification

Version 1.0.0.0

Medicine List

Medicine Code      Medicine Name      in the order of medicine codes      in the order of medicine names

22384	MS cold compress [Takamitsu] (200g/5 sheets per bag)		
20567	PL granules		
24016	S-Adochnon Tablets (30mg)		
30256	TRH injection TANABE (0.5mg/1mLA)		
24021	Argamate Jelly (5g per piece)		
21923	Arkin Z Tablets (60mg) ▲		
21756	Artist Tablets (10mg)		
20036	Arten 1% powder (10mg/g)		
20037	Arten Tablets (2mg)		
30828	Aibulin (0.5g/V)		
30844	Isovorin injection (25mg/V)		
21842	Itorol Tablets (20mg)		
21804	IBD capsules 100 (100mg)		
24090	IBD dry syrop 5% ▲		
22410	Aromir (8.9g)		
20081	Acardi Capsules (1.25mg)		
20008	Akineton Fine Granules (10mg/g)		
20008	Akineton Tablets (1mg)		
20016	Acuatim Cream (10g)		
22451	Acuatim Lotion (20mL)		
21841	Acdeam 90 Capsules (90mg)		
20010	Acdeam Fine Granules (100mg/g)		
20011	Acdeam Tablets (30mg)		
20013	Actosin ointment (30g)		
24001	Actos Tablets (30mg)		
10665	Accutrend Glucose IB (50 strips/bottle)		
30006	Acliclon (20mg/V)		
24062	Accolate Tablets (40mg)		
30678	Azactam for injection 1g (1g/V)		
21858	Azulfidine EN Tablets (500mg)		

End of application

**“case card registration execute” tab**

end of application

Fig. 9

Name : Aquapula 50mg (50mg/V)	
Dosage : no specification	
Combination order : none	
Dosage (lower limit)	0.000
Dosage (upper limit)	0.000
Unit	V
cancel	O K

Fig. 10

1	30004 : Akineton (5mg/1mLA)	▼
2	30734 : Aqupla 50mg (50mg/V)	▼
clear	Combination order has been confirmed.	
cancel	O K	

Fig. 11

adequate
partially aderuate
inadequate
undefined

Fig. 12

Precipitation or opacity occurs in 1to6 hours.	▲
Appearance change is observed within 1 hour.	
Content depression is notable within 1 hour.	
Precipitation or opacity occurs within 1 hour.	
Precipitation or titration reduction occurs within 1 hour.	▼

Fig. 13

internal regulations
case
external case
undefined

Fig. 14

medicine code column

"basic information 2" tab

**Basic Injection DB Reference form**

Medicine Code	30004	Medicine Name	Akineton (5mg/1mLA)	Manufacturer Name	Dai-Nippon
---------------	-------	---------------	---------------------	-------------------	------------

Basic Information 1      Basic Information 2      User information (for registration)

**Category Name**      Non-infusion Solution

therapeutic category name      Parkinson's medicine

standard      0.5% 1ml 1tube

dosage form      injection : liquid preparation

volume      1.00 ml

solution name      None

solution volume

storage method      room-temperature storage

calorie      0.00 KCal

Naoh titration      10.00 ml

narcotic      none

lower limit of the standard pH value      4.5

upper limit of the standard pH value      5.5

sample pH value      5.20

pH change point (acid side)      1.18

comment when pH value becomes acidic      needle-like crystal

pH change point (basic side)      6.20

comment when pH value becomes basic      become clouded

osmotic pressure ratio (lower limit)      1.00

osmotic pressure ratio (upper limit)

procedure name

specify individual administration      None

comment an individual administration

administration route

**Dosage**

For adults, usually, as biperiden lactate, 5-10 mg (1-2 mL) is intramuscularly injected.  
 Intravenous injection is administered only in a special case.  
 As biperiden lactate, 5-10 mg (1-2 mL) is gradually intravenously injected over 3 minutes for each 5 mg (1 mL).

close

"basic information 1" tab

Fig. 15

Medicine Code	Medicine Name
30004	Akineton (5mg/1mLA)
30005	SMANKS 4mg (4mg/V)
30006	Aclacinon (20mg/V)
30008	Asthremedin 2 (0.5mLA)
30009	Aapara K (1712mg/10mLA)
30011	Atalax-P injection solution (25mg/1mLA)
30012	Adelavin 9 (1mLA)
30013	Adona intravenous injection (100mg/20mLA)

Fig. 16

Basic Injection DB Reference Form			
Medicine Code	30004	Medicine Name	Akineton (5mg/1mLA)
Manufacturer Name	Dai Nippon		
Basic Injection Information page 1		Basic Injection Information page 2	
User Information (for registration)			
sugar			
no date on sugar			
electrolyte			
no date on electrolyte			
amino acid			
no date on amino acid			
blood component			
no date on blood component			
vitamine			
no date on vitamine			
fat			
no date on fat			
trace of elements			
no date on trace of elements			
dissociation constant			
no date on dissociation constant			
close			

Fig. 17

prescription input section

Combination Modification Check

Display(X)

Medicine Code	Medicine Name	Ministry of Health and Welfare Code	Quantity	Unit
1 30038	Amizet B (400mL plastic container)	3253411A3020	1.00	B
2 30009	Aspara K (1712mg/10mLA)	3229401A1029	3.00	A
3 31111	Dormicum injection (10mg/2mLA)	1124401A1028	1.50	A
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

order select column

access button

Registered medicine list

Medicine list display order:

Japanese syllabary (ascending order)

a

ka

sa

ta

na

ha

ma

ya

ra

wa

A

0-

Medicine Name	Standard	Manufacturer Name	Therapeutic Category
11 Ahibulin	500mg one bottle (with solution)	Yoshitomi	rejection suppressant
12 Isovorin injection 25mg	25mg one bottle	Wyeth Lederly	activated folic acid preparation
13 Akineton	0.5% 1ml one tube	Dai Nippon	Parkinson's medicine
14 Aqupla 100mg	100mg one bottle	Shionogi	anticancer medicine
15 Aqupla 10mg	10mg one bottle	Shionogi	anticancer medicine
16 Aqupla 50mg	50mg one bottle	Shionogi	anticancer medicine
17 Aclacinon injection	20mg one bottle	Mercian	anticancer antibiotic
18 Azactam for injection 1g	1g one bottle	Eisai	monobactam antibiotic
19 Asthremedin 2	0.5ml one tube	Nippon Zoki	allergic disease
20 Aspara K	17.12% 10ml one tube	Tanabe Seiyaku	potassium aspartate preparation
21 Aspenon injection	100mg, 10mL one tube	Mitsui	antiarrhythmic medicine
22 Atalax-P (25mg/ml)	2.5% 1ml one tube	Pfizer	antiallergic tranquilizer
23 Adelavin 9	1ml one tube	SANWA KAGAKU	liver extract preparation
24 Adona (AC-17)	0.5% 20ml one tube	Tanabe Seiyaku	blood vessel strengthening medicine

check

F1

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

F12

line

insertion

deletion

end

HELP

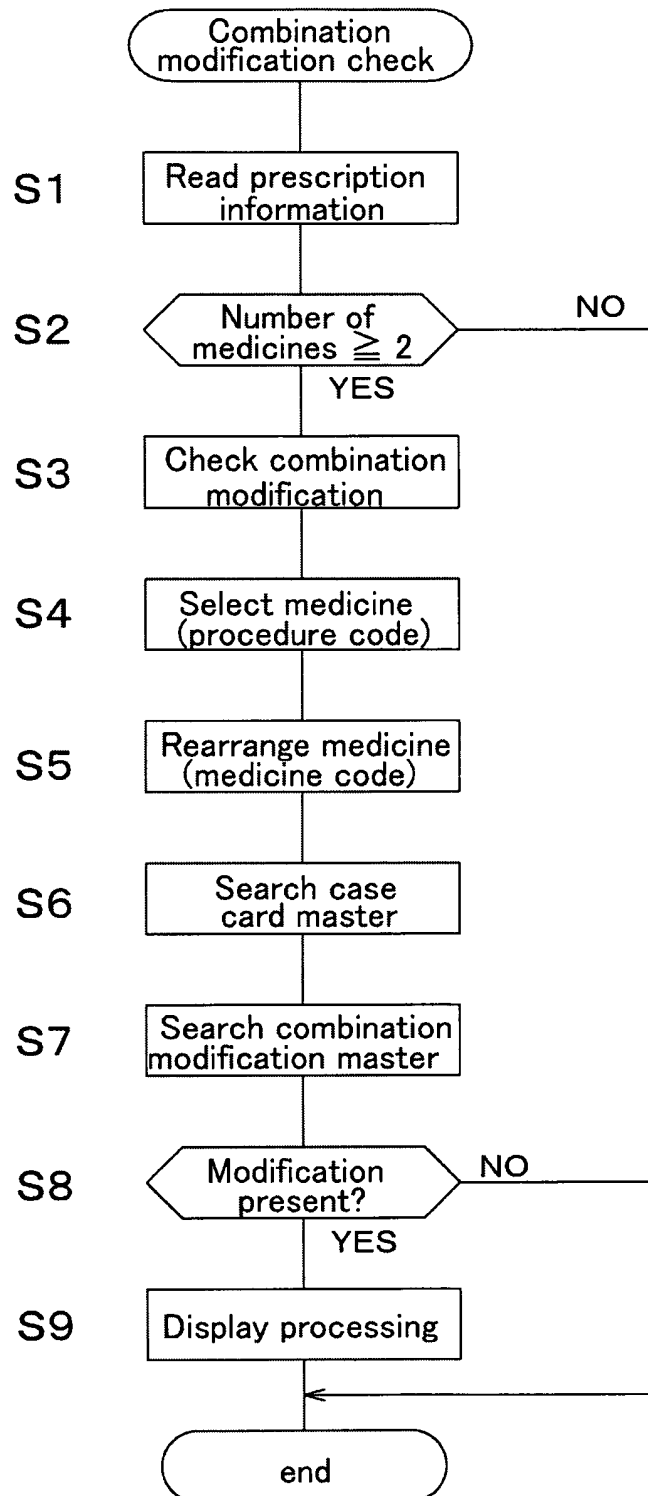
registered medicine list section

**Fig. 18**

PROCEDURE CODE	PROCEDURE NAME	PROCEDURE CODE	PROCEDURE NAME
01	INTRAVENOUS DRIP INJECTION	11	CONTINUOUS HYPODERMIC INJECTION BY AUTOMATIC INFUSION PUMP
02	INTRAVENOUS INJECTION	12	INTRA-ARTICULAR CAVITY INJECTION
03	CENTRAL VENOUS INJECTION	13	ENDOTRACHEAL INFUSION
04	HYPODERMIC INJECTION	14	INTRATHORACIC INFUSION
05	INTRAMUSCULAR INJECTION	15	INTRAPERITONEAL INFUSION
06	CONTINUOUS INJECTION USING AUTOMATIC INFUSION PUMP	16	INTRAGASTRIC INFUSION
07	CEREBROSPINAL CAVITY INJECTION	17	INTRAVESICAL INFUSION
08	INTRAARTERIAL INJECTION	18	INTRA-TENDON SHEATH INJECTION
09	INTRAMEDULLARY INJECTION	19	SUBCONJUNCTIVAL INJECTION
10	LOCAL INJECTION	20	INTRA-CORNEA INJECTION



Fig. 19



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